AUTHOR INDEX *Volume 10, 1994*

Abate, J. A., Reynolds, T.: Digital Video: A Primer for the Sonographer, 253
Abu-Yousef, M. M.: *see* Ghazle, H. H.
Alleyne, A., Pimentel, G., Frates, M. C.: Sonographic Localization of a Nonpalpable Tissue Expander Port, 110
Anderson, J. C.: *see* Ferguson, T. K.
Andrist, L. S.: Prenatal Diagnosis of Critical Aortic Stenosis, 332
Arcement, L.: *see* Richardson, S. M. F.

Barloon, T. J.: *see* Ghazle, H. H.
Barwick, C.: Developing a Working Knowledge of Ultrasound Intensities, 278
Barzilai, B.: *see* Waggoner, A. D.
Benson, C. B.: *see* Bussey, L. A.
Berman, M. C.: Guest Editorial, 73
Bolen, J. W., Jr.: *see* Gauldin, C. D.
Brown, B. P.: *see* Ghazle, H. H.
Bruening, C., Farnsworth, W., Hansen, S.: Rudimentary Horn Ectopic Pregnancy, 31
Burwash, I. G.: *see* Zwink, T. R.
Bussey, L. A., Benson, C. B.: Sonographically Detected Portal Venous Air Secondary to Bowel Ischemia, 322

Carlan, S. J.: *see* Richmond, L. B.
Carlson, D. E.: *see* Pisani, A. L.
Casal, L. J.: *see* Schiller, V. L.
Chenoweth, C.: *see* Weber, M.
Chovil, K., Thakore, K., Choyke, P. L., Shawker, T., Linehan, W. M.: Scrotal Sonography in Normal Subjects: Prevalence of Incidental Findings, 3
Choyke, P. L.: *see* Chovil, K.
Cohen, G. R.: *see* Weber, M.
Craig, M.: Inventing The Future, 41
Craig, M.: Mandatory Call, 339
Craig, M.: Rapid Recognition Scanning: The Seven-Minute Obstetric Study, 283
Craig, M.: The Impact of Healthcare Reform on Sonography, 175
Croft, D., Dickerson, M.: Ultrasound Differentiation of Two Pediatric Abdominal Masses, 12
Cummings, F. E.: *see* Deliquina, M. F.

Danna, P.: *see* Richmond, L. B.
Dávila-Román, V. G.: *see* Waggoner, A. D.
Davis, H., Gruenhagen, M.: Infertility Procedures: The Ethical Dilemma, 170
Davis, H., Gwin-Stewart, J.: Sonographic Appearance of Omental Implants, 272
Davis, J. L.: *see* Pisani, A. L.
de Lange, M.: *see* Nelson, D. J.
de Lange, M.: *see* Robinson, Y. J.
Deliquina, M. F., Elerick, C. C., Green, D. W., Cummings, F. E.: Use of Duplex Doppler Sonography and Color Flow Imaging to Demonstrate Hemodynamic Changes in Portal Circulation Before and After Portosystemic Shunts, 7
Dempsey, R.: Phlegmasia Cerulea Dolens: A Complication of Iliofemoral Venous Thrombosis, 89
Dickerson, M.: *see* Croft, D.
Drake, C.: *In Utero* Stem Cell Transplantation, 201
Drose, J. A.: *see* Keener, T.
Duncan, B. C.: Ultrasound Techniques and Follow-Up Examinations in Placenta Previa, 151

Elerick, C. C.: *see* Deliquina, M. F.
Evans, K. D.: Acting as a Mentor to the Sonographer, 46
Evans, K. D.: Sonography of the Kock's Pouch for Ileostomy, 167

Farnsworth, W.: *see* Bruening, C.
Ferguson, T. K., Anderson, J. C., Fisher, C. R., Harned, R. K.: Cholelithiasis in Pregnant Women: Prevalence and Risk Factors, 104
Fisher, C. R.: *see* Ferguson, T. K.
Frates, M. C.: *see* Alleyne, A.

Gauldin, C. D., Bolen, J. W., Jr., Gonzales, H. A.: Ectopic Pregnancy and a Twin Intrauterine Gestation: A Very Rare Case and Its Diagnostic Problems, 325
Ghazle, H. H., Abu-Yousef, M. M., Brown, B. P., Barloon, T. J.: Ureteral Encasement and Medial Deviation Demonstrated by Ultrasound in a Case of Retroperitoneal Fibrosis, 213
Gill, K.: *see* Richardson, S. M. F.
Goldstein, C. L.: Ultrasound Examination of Pregnant Women Infected with the Human Immunodeficiency Virus, 84
Gonzales, H. A.: *see* Gauldin, C. D.
Graham, M.: The Effects of Diabetes Mellitus on Pregnancy, 155
Green, D. W.: *see* Deliquina, M. F.
Griffis, W. S.: Thanatophoric Dysplasia: A Case Study, 24
Gruenhagen, M.: *see* Davis, H.
Gwin-Stewart, J.: *see* Davis, H.

Hansen, S.: *see* Bruening, C.
Harned, R. K.: *see* Ferguson, T. K.
Hartvikson, W. J.: Factors Affecting Patient Satisfaction in a Prenatal Diagnosis and Treatment Population, 145
Hashimoto, A.: *see* Schiller, V. L.
Hedrick, W. R., Hykes, D. L.: Teleradiology: A Review, 257
Hedrick, W. R., Hykes, D. L.: Time Domain Correlation in Color Flow Imaging: A Review, 196
Hobbins, J. C.: *see* Persutte, W. H.
Horrow, M.: *see* Mlkvy, K.-L.
Hykes, D. L.: *see* Hedrick, W. R.
Hykes, D. L.: *see* Hedrick, W. R.

Imus, R. L.: *see* Ullman, A. L.

Janz, K.: Levels of Involvement by Sonographers in Transesophageal Echocardiographic Examinations, 268
Jones, F. M.: Writing to Learn in Ultrasound, 115

Keener, T., Drose, J. A., Townsend, R. R.: Atypical Sonographic Appearance of a Testicular Epidermoid Cyst, 28
Khoury, A. D.: *see* Woletz, P. S.
Kremkau, F. W.: Decibels, 112

Kremkau, F. W.: Doppler, 337
Kremkau, F. W.: Pixels, Bits, Bytes, and Shades, 227
Krew, M. A.: *see* Madden, S. J.

Linehan, W. M.: *see* Chovil, K.

Madden, S. J., Peterson, C. L., Krew, M. A.: Fetal Echocardiography in Conjunction with Routine Obstetric Examinations, 74
McDonald, R. W.: *see* Ullman, A. L.
Miller, J. G.: *see* Waggoner, A. D.
Miyake-Hull, C. Y.: *see* Zwink, T. R.
Mlkvy, K.-L., Horrow, M.: Emphysematous Cholecystitis: A Rare Form of Acute Cholecystitis, 164

Nelson, D. J., Rouse, G. A., de Lange, M.: Sonographic Evaluation of Solid Breast Masses, 312

Otto, C. M.: *see* Zwink, T. R.

Pérez, J. E.: *see* Waggoner, A. D.
Persutte, W. H.: Single Fetal Umbilical Artery: A Case Report Illustrating a Potential Pitfall in the Diagnosis, 161
Persutte, W. H., Hobbins, J. C.: First Trimester Prenatal Sonographic Diagnosis of Smith-Lemli-Opitz Syndrome, Type II with a Prototypic Flexible Embryoscope, 39
Peterson, C. L.: *see* Madden, S. J.
Pimentel, G.: *see* Alleyne, A.
Pisani, A. L., Davis, J. L., Carlson, D. E., Platt, L. D.: Mid-Trimester Ruptured Cornual Pregnancy, 329
Platt, L. D.: *see* Pisani, A. L.

Reynolds, D.: *see* Schiller, V. L.
Reynolds, T.: *see* Abate, J. A.
Rice, M. J.: *see* Ullman, A. L.
Richardson, S. M. F., Gill, K., Arcement, L.: Amniotic Band Syndrome, 137
Richmond, L. B., Carlan, S. J., Danna, P., Roth, L.: Prolapsed Placental Polyp, 217
Robinson, Y. J., Rouse, G. A., de Lange, M.: Sonographic Evaluation of Arthrogrypotic Conditions, 18
Roth, L.: *see* Richmond, L. B.
Rouse, G. A.: *see* Nelson, D. J.
Rouse, G. A.: *see* Robinson, Y. J.
Ruffin, J. D.: Aortic Dissection: Sonographic, Echocardiographic, and Radiologic Results, 35

Sarti, D. A.: *see* Schiller, V. L.
Schiller, V. L., Casal, L. J., Hashimoto, A.: Ultrasound Diagnosis of Carcinoma of the Colon, 219
Schiller, V. L., Reynolds, D., Sarti, D. A.: Ultrasound Diagnosis of Benign Gallbladder Hemorrhage, 108
Shawker, T.: *see* Chovil, K.
Simons, L. S.: Ultrasound Diagnosis of Medullary Nephrocalcinosis in a Pediatric Patient, 275
Skinner, B. A.: Defining Student Strategies and Needs in Today's Diagnostic Medical Sonography Programs, 49
Smith, P. A.: Ultrasound Examination of a Retained Cervical Stump, 222
Spitz, J. L.: Editorial, 1
Spitz, J. L.: Editorial, 135
Spitz, J. L.: Editorial, 195
Spitz, J. L.: Editorial, 251
Spitz, J. L.: Editorial, 303
Still, L.: Fetal Tissue Research and Prenatal Fetal Therapy: Ethical Dilemmas, 208

Thakore, K.: *see* Chovil, K.
Townsend, R. R.: *see* Keener, T.

Ullman, A. L., Rice, M. J., Imus, R. L., McDonald, R. W.: Use of Two-Dimensional Echocardiography to Predict Aortic Annulus Diameter in Pediatric Patients, 305

Waggoner, A. D., Dávila-Román, V. G., Barzilai, B., Miller, J. G., Pérez, J. E.: Quantitative Echocardiography, Part 2: Automatic Boundary Detection for On-line Assessment of Left Ventricular and Atrial Function, 95
Weber, M., Chenoweth, C., Cohen, G. R.: Antenatal Diagnosis of Body Stalk Anomaly, 224
Woletz, P. S., Khoury, A. D.: Prenatal Diagnosis and Management of Congenital Left Ventricular Aneurysm, 318

Zwink, T. R., Burwash, I. G., Miyake-Hull, C. Y., Otto, C. M.: Changes in Aortic Annulus Diameter During the Cardiac Cycle and its Effect on Predicting Aortic Valve Prosthesis Size, 262

INDEX OF SUBJECTS *Volume 10, 1994*

Abdominal mass, pediatric ultrasound differentiation, 12
Abstract review, 55, 120, 182, 233, 286
Adenocarcinoma, 312
Aliasing, 196
Amniocentesis, 329
Amnion, 137
Amniotic band syndrome, 137
Amyoplasia, 18
Analog, 253
Aneurysm, left ventricular, congenital, prenatal diagnosis and management, 318
Aniridia, 12
Antenatal diagnosis, 224
Aortic anulus diameter
  changes during cardiac cycle, 262
  two-dimensional echocardiography and, 305
Aortic dissection, sonographic, echocardiographic, radiologic results, 35
Aortic stenosis, critical, prenatal diagnosis, 332
Aortic valve commissurotomy, 305
Aortic valve prosthesis size, aortic anulus diameter during cardiac cycle and, 262
Aortic valve replacement (AVR), 262
  pediatric patient and, 305
Arthrogrypotic condition, sonographic evaluation, 18
Automatic boundary detection, quantitative echocardiography and, 89
AVR. *See* Aortic valve replacement

Baud rate, 257
Beckwith-Wiedemann syndrome, 12
Bistable display, 253
Bit, 227, 253
Body stalk anomaly, antenatal diagnosis, 224
Book review, 229
Bowel ischemia, portal venous air secondary to, sonographically detected, 322
Breast mass, sonographic evaluation, 312
Byte, 227, 253

Carcinoma
  colon, ultrasound diagnosis, 219
  ductal, 312
Cardiac cycle, changes in aortic anulus diameter, 262
Cardiac tumor, congenital, 74
Cardiogenesis, 74
Cardiovascular abnormality, maternal diabetes mellitus and, 155
Cathode ray tube, 257
Caudal regression syndrome, maternal diabetes mellitus and, 155
Cervical stump, retained, ultrasound examination, 222
CFI. *See* Color flow imaging
Cholecystitis, emphysematous, 164
Cholelithiasis, pregnant women and, 104
Chorion, 137
Club foot, 18
Colon, carcinoma, ultrasound diagnosis, 219
Color flow imaging (CFI)
  portal circulation before and after portosystemic shunts and, 7
  time domain correlation, 196
Compression, 257
Congenital anomaly, 24, 137
  body stalk, 224
  maternal diabetes mellitus and, 155
Congenital heart disease, 74, 318
Congenital left ventricular aneurysm, prenatal diagnosis and management, 318
Contracture, 18
Cornual pregnancy, ruptured, mid-trimester, 329
Cushing's syndrome, 12

Decibel, 112
Deep venous thrombosis, 89
Diabetes mellitus, pregnancy and, 155
Diagnostic medical sonography
  defining student strategies and needs, 49
  inventing the future, 41
Digital, 253
Digital ultrasound, 227
Digital video, 253
Digitization, film, 257
Doppler sonography, 337
  duplex, portal circulation before and after portosystemic shunts and, 7
Ductal carcinoma, 312
Dwarfism, 24
Dysplasia
  skeletal, 24
  thanatophoric, 24

Echocardiography
  aortic anulus diameter during cardiac cycle and, 262
  aortic dissection and, 35
  fetal, 318
    routine obstetric examination and, 74
  quantitative, automatic boundary detection and, 89
  transesophageal, sonographer involvement, 268
  two-dimensional, aortic anulus diameter in pediatric patients and, 305
Ectopic pregnancy, 325, 329
  rudimentary horn, 31
Editorial, 1, 73, 135, 195, 251, 303
Education
  defining student strategies and needs, 49
  writing to learn in ultrasound, 115
Emphysematous cholecystitis, 164
Encephalocele, 224
Endovaginal ultrasound, 151
Epidermoid cyst, testicular, atypical sonographic appearance, 28
Epididymal cyst, 3

Fetal anomaly, 24, 137
  maternal diabetes mellitus and, 155
Fetal echocardiography, 318
  routine obstetric examination and, 74
Fetal stem cell transplantation, 201
Fetal surgery, 208

Fetal therapy, prenatal, 208
Fetal tissue reasearch, 208
Fetal tissue transplantation, 208
Fibroadenoma, 312
Fibrosis, retroperitoneal, ureteral encasement and medial deviation, 213
Film digitization, 257
Fixed echo canceller, 196

Gallbladder, emphysematous cholecystitis, 164
Gallbladder hemorrhage, benign, ultrasound diagnosis, 108
Gastrointestinal sonography, 219
Genitourinary anomaly, maternal diabetes mellitus and, 155
Gestation, intrauterine, twin, 325
Glucose, 155
Graft rejection, stem cell transplantation and, 201
Graft-versus-host disease, stem cell transplantation and, 201
Gray scale, 253

Healthcare reform, sonography and, 175
Heart disease, congenital, 74, 318
Hematopoiesis, 201
Hemobilia, 108
Hemodynamic change, portal circulation before and after portosystemic shunts and, 7
HIV. *See* Human immunodeficiency virus
Human immunodeficiency virus (HIV), pregnant women infected, ultrasound examination and, 84
Hydrocele, 3
Hydronephrosis, 167, 213
Hyperglycemia, 155
Hysterectomy, supracervical, 222

Ileostomy, 167
Iliofemoral vein thrombosis, 89
Infertility procedure, ethical dilemma, 170
Insulin, 155
Intrauterine gestation, twin, 325

Kidney, medullary nephrocalcinosis, ultrasound diagnosis, 275
Kock's pouch, 167

Left atrial function, assessment, 89
Left ventricular aneurysm, congenital, prenatal diagnosis and management, 318
Left ventricular function, assessment, 89
Letters to editor, 53, 118, 180, 230, 344
L/T ratio, 312

Macrosomia, maternal diabetes mellitus and, 155
Management, acting as mentor to sonographer, 46
Mandatory call, 339
Mechanical index, 278
Medullary nephrocalcinosis, ultrasound diagnosis, 275
Modem, 257
Mucin, 222
Mullerian duct abnormality, 31
Multiple lethal pterygium syndrome, 18

Nephrocalcinosis, medullary, ultrasound diagnosis, 275
Neural tube defect, maternal diabetes mellitus and, 155
Neuroblastoma, 12
Non-stress test, 145

Obstetric examination, routine, fetal echocardiography and, 74
Omental cake, 272
Omental implant, sonographic appearance, 272
Omphalocele, 224

Pancreatic Beta cell, 155
Patient satisfaction, prenatal diagnosis and treatment and, 145
PCD. *See* Phlegmasia cerulea dolens
Pediatric abdominal mass, ultrasound differentiation, 12
Pediatric patient
  aortic anulus diameter, two-dimensional echocardiography predicting, 305
  medullary nephrocalcinosis, ultrasound diagnosis, 275
Pena Shokeir syndrome, 18
Phlegmasia cerulea dolens (PCD), 89
Pixel, 227, 253
Placental polyp, prolapsed, 217
Placenta previa, ultrasound techniques and follow-up examinations, 151
Polyp, placental, prolapsed, 217
Portal circulation, portosystemic shunts and, 7
Portal venous air, secondary to bowel ischemia, sonographically detected, 322
Portosystemic shunt, portal circulation and, 7
Pregnancy
  cornual, ruptured, mid-trimester, 329
  diabetes mellitus and, 155
  ectopic, 325, 329
    rudimentary horn, 31
Pregnant women
  cholelithiasis and, 104
  infected with human immunodeficiency virus, ultrasound examination and, 84
Prenatal diagnosis and management
  congenital left ventricular aneurysm and, 318
  critical aortic stenosis and, 332
  patient satisfaction and, 145
Prenatal fetal therapy, 208
Prolapsed placental polyp, 217

Quantitative echocardiography, automatic boundary detection and, 89

Radiology, aortic dissection and, 35
RADIUS study, 1, 73
Rapid recognition scanning, 283
Retroperitoneal fibrosis, ureteral encasement and medial deviation, 213
Rhabomyoma, 74
Rudimentary horn ectopic pregnancy, 31

Sata, 278
Scrotal sonography, 3
Skeletal dysplasia, 24
Smith-Lemli-Opitz syndrome, Type II, first trimester sonographic diagnosis, 39
Sonographer
  involvement in transesophageal echocardiography, 268
  mandatory call and, 339
  mentors and, 46
Sonography. *See also specific type*
  healthcare reform and, 175
Spiculation, 312
Spta, 278

Sptp, 278
Stem cell transplantation, in utero, 201
Supracervical hysterectomy, 222

Teleradiology, 257
Testicular abnormality, frequency in asymptomatic men, 3
Testicular cyst, 3
  epidermoid, atypical sonographic appearance, 28
Tetralogy of Fallot, 74
Thanatophoric dysplasia, 24
Thermal index, 278
Time domain correlation, 196
Tissue expander port, nonpalpable, sonographic localization, 110
Transesophageal echocardiography, sonographer involvement, 268
Translabial ultrasound, 151
Transposition of great arteries, 74
Trisomy 18, 18
Truncus arteriosus, 74
Twin intrauterine gestation, 325

Ultrasound intensity, 278
Umbilical artery, single, 161
Umbilicus, absent, 224
Ureteral encasement, retroperitoneal fibrosis and, 213
Uterine cornua, 31

Variocele, 3
Ventricular septal defect, 74

Wilms' tumor, 12
Writing to learn, 115

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION (Act of August 12, 1970: Section 3685. Title 39 United States Code) Date of Filing—October 1, 1994, Title of Publication—JOURNAL OF DIAGNOSTIC MEDICAL SONOGRAPHY; Frequency of Issue—Bi-monthly; Annual Subscription Price—$75.00; Location of Known Office of Publication—12107 Insurance Way, Hagerstown, MD 21740; Location of Headquarters or General Business Offices of the Publisher—227 East Washington Square, Philadelphia, PA 19106; Publisher—Society of Diagnostic Medical Sonographers, 12770 Coit Road, Suite 508, Dallas, TX 75243; Editor—Jean Lea Spitz, MPH, RDMS, University of Oklahoma, College of Allied Health, Box 26901, Oklahoma City, OK 73190; Managing Editor—Todd Hummel, 227 East Washington Square, Philadelphia, PA 19106; Owner—Society of Diagnostic Medical Sonographers, 12770 Coit Road, Suite 508, Dallas, TX 75243; Known Bondholders, Mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities—none. A. Total no. copies printed (*net press run*), average 14,867, actual 15,800; B. Paid circulation 1. Sales through dealers and carriers, street vendors and counter sales, average none, actual none; 2. Mail subscriptions, average 11,826, actual 10,962; C. Total paid circulation, average 11,826, actual 10,962; D. Free distribution by mail, carrier or other means. Samples, complimentary, and other free copies, average 381, actual 454; E. Total distribution (*sum of C and D*), average 12,207, actual 11,416; E. Copies not distributed 1. Office use, leftover, unaccounted, spoiled after printing, average 2,660, actual 4,384. Returns from news agents, none; G. Total (*sum of E & F—should equal net press run shown in A*), average 14,867, actual 15,800. I certify that the statements made by me above are correct and complete. Virginia B. Martin, *Vice President, Journals*.